SHCP
SECRETARÍA DE HACIENDA Y CRÉDITO PÚBLICO

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Mexican Customs Experience

Paperless Crossborder Trade Implementation on SW VUCEM

Legal Support

Modernization

Investigation

Infraestructure

Operation

Planning

Data Processing Targeting

International affairs

Mexican General Customs Administration Estructure

49 Ports of entry

Kind of Ports	
Land (North & south)	21
Maritime	17
Inland	11
Total	**49**

Personal	
Central Offices	17%
Field Ops	83%
Total	**8,176**

- **230** Inspection points
- **778** Customs Brokers

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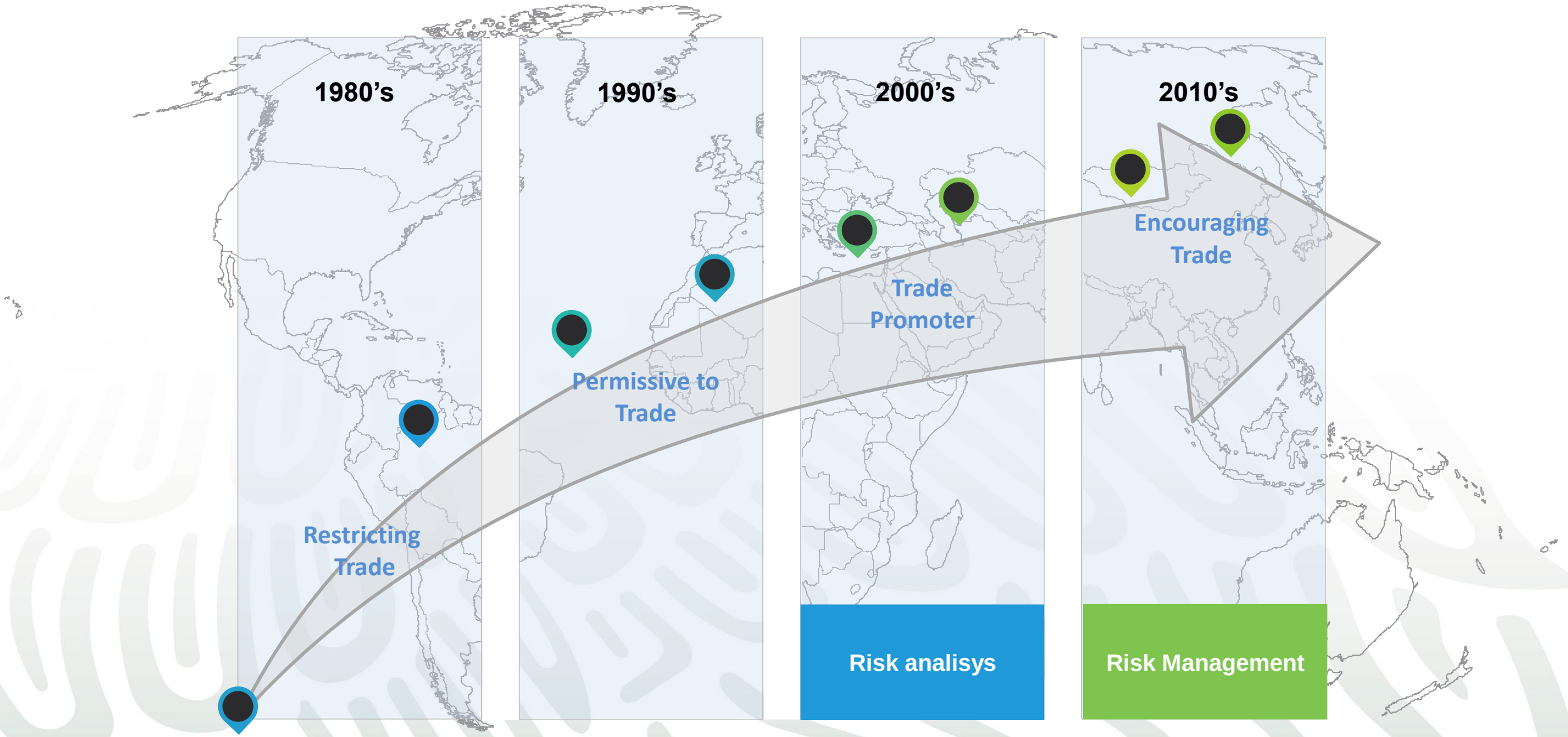
Evolution of the Mexican Customs



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Background

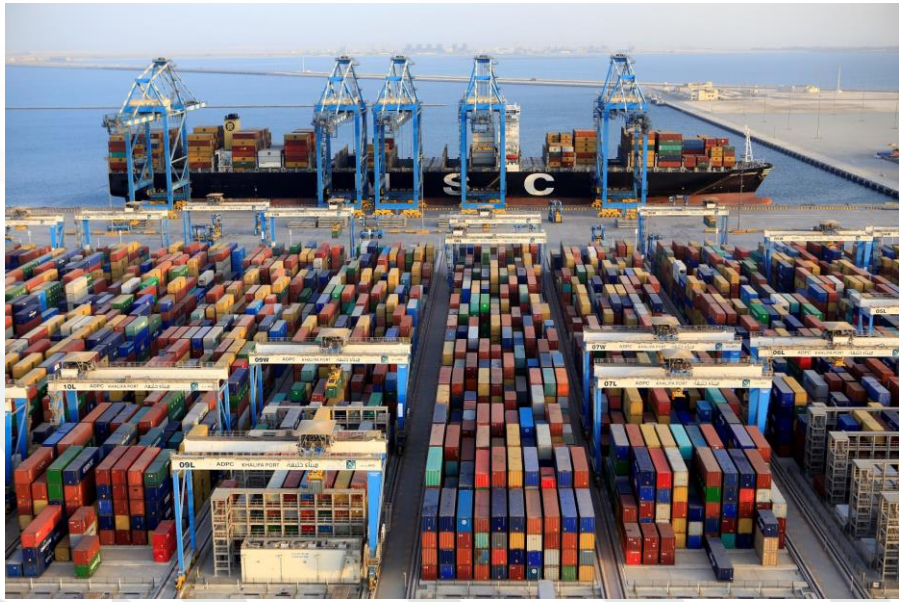
1989
CADEPA: Data Capture Locally
MSA: Ramdom Inspection (10%)

1993
SAAI: Centralized Information
MSA: Random but sistema Inspections 10%

2001 – 2005
SYSTEM IMPROVEMENT
-PGA Integration, -Risk analisys.
-100% Electronic declaration
-Transfer payment of dutiesPECA

2010 – 2012 SYSTEMS MODERNIZATION
VUCEM, NII (Xray and Gamma), **CPED**, Cenral Video **VIVA**, SCTCA – SIECA, **SIAVE-SIRIA**

2016–2020 SYSTEM INTEGRATION
PITA Customs Project for clearence:
RFID, RNI (NII), CPED, MATCE



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Background of SW Mexico

- **Initially** conceptualizad a solution that lets the users **only** to **capture information** electronically, once and only in one place/website to make formalities and process regulations and non tarriff restrictions for foreign trade that emits governmental agencies or ministers.

- Through the platform **evolution,** it has incorporated many **tools** that will allow to send and receive information like **commercial invoices** or create electronic value of proof, digitalization of documents needed for customs declaration, **EDI** of the **single manifest** (air, rail and maritime), historical consult of documents

Timeline of the implementation of VUCEM México

2005

Safe Framework was published and stablish the recomm for the SW implemnetation

2010

Start to develop the concept of the SW in Mexico and define the TR for the bidding process

2011

Federal decree was published, stablishing the PGAS commitment

2012

The first license/permission of the Ministry of Economy was released on website

2015

245 formalities operate on the plataform and the 2nd intnl bidding is published

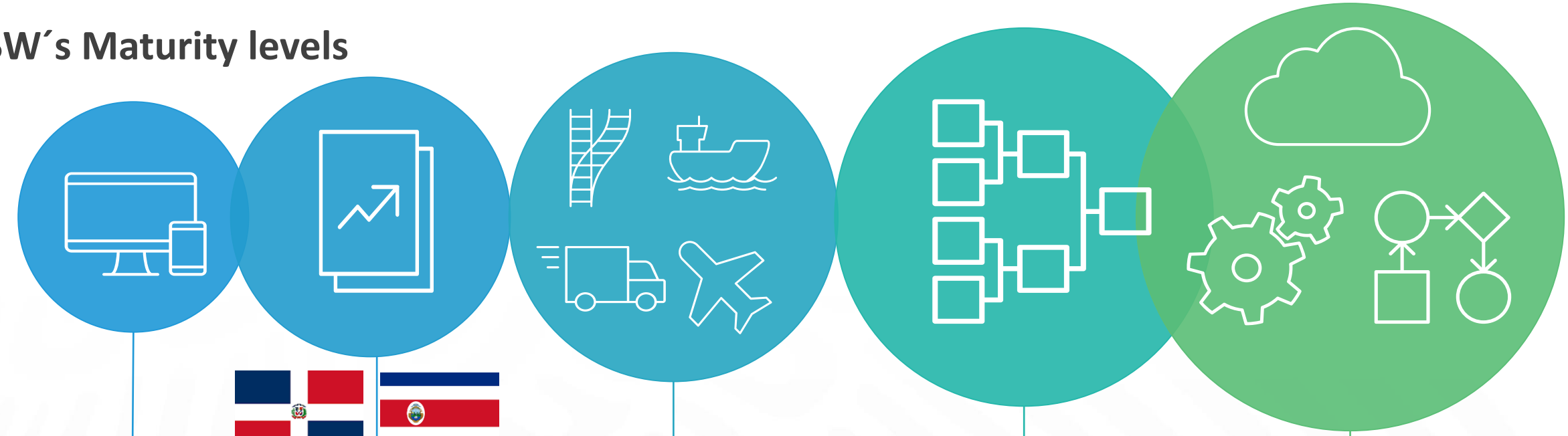
2016

5yr contract is signed for the revolution of the SW

2017

DC Migration and BPM substitution; reengineering began

SW´s Maturity levels



1

Paperless Custo

EDI tran

2

Regulatory –

ry

issuing

and

tes

3

Ports

Involved communication with the ports of entry and the customs facilities

4

Integrated

Involve and connect all the PGAs, Industry, customs Brokers logistics and customs

5

Transborder and Interoperable

Capable to interoperate with other systems and SW for the interchange of anticipated information

República Dominicana

Costa Rica

Panama

Nicaragua

Belice

Honduras

Guatemala

Colombia

How does Mexican Single Windos (VUCEM) Works?

Single web portal for the mexican stakeholders of the International trade that allow to capture, submit and comply the Non tarrif barriers of 10 Government Agencies.

Only point of contact for Licenses, Permits, Certificate, Notifications, and other regulatory Customs Procesess realized before the clearance of the godos like the digitalization of the documents attatched to the customs declaration and the value declaration for importation, exportation and transit. More tan 300 LCPOs available

Log in with e signature
Key, Certificate X509

Capture Data and attatch documents
Every process have specific requirements

PGA evaluate, analize and observe or authorize
Every process have time to comply

User receive Electronic Notifications
All resolutions have electronic signature and are valid electronically

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Some numbers on VUCEM

300 operating formalities

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- **48** Customs
- **11** S. Enviroment and Natural Resources
- **1** Antropology
- **109** Economy Commerce
- **22** Defense
- **3** Art
- **51** Health and Sanitary Risk
- **5** Enviorment Procurement
- **2** AMECAFE
- **13** Livestuck Agriculture
- **8** Energy Gas & Oil
- **1** C. R TEQUILA

10 PGA´s y 2 NGO´s

175.3 k
Registered Users

170 millions
electronic invoices transmited (COVEs)

E-documents
35GB dail

193 millions dof
historical import and export declarations digitalized

Resc
formalities attended

3 e-cargo manifest

E-m
Messages p
Rail and

132.2 milions
e documents

Maritime (2Q 2019)
Truck (2020)

More tan 19 millons
Formalities attended

(Daily basis)

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*Data a february 2019

VUCEM actual interoperability and projects

Chile

Phyto and zoosanitary
Certificates. UNCEFACT v.11

Pacific Alliance

Phyto and zoosanitary certificates on Uncefact D13B;
Certificate of Origin.
Project to interoperate Customs Declarations base on WCO DM

Colombia

Certificate of Origin (Bilateral)

Phyto, zoosanitary, Origin and Declaration on alliance

United States

E-Cargo Manifests EDIFACT 309 355 358, Rail and Maritime (testing)
In a next phase Cargo XML IATA on Air
Truck manifest 2020
Textile Quotas control via WS

Objective Pacific Alliance

Promote the use of the Single Window for international trade of the countries members of the Pacific Alliance but more important the Interoperability like an instrument to facilitate the cross border papeerless trade with the interchange of data including the content of the fito and zoo sanitary certificates and origin certificates.

Why the Pacific Alliance?

High level political will and presidencial decreet

Commitment and disposition of the technical teams

The single window maturity is similar and accomplish the technical minimun requirements for interoperate

e-cargo Manifest

Rail Manifest
ANSI X12
2,500 daily messages

Actually operating on 5 crossborders Nogales, Mexicali, Ciudad Juárez y Matamoros and Piedras Negras; Nuevo Laredo will be fully implemented
100% paperless 2q 2019

Air Cargo-XML
IATA Standard with 35,000 daily messages

Operating 100% for importation.

Every airwaybill its validated on the customs declaration

Soon apply for exportation (Change management)

Maritime
ANSI X12 (10+5)
Expect 500k msgs daily

The software ts in testing period and waiting for the biggest companies to build their component to make integral UAT

Hope to release first port in 2Q 2019

Truck (US)
ANSI X12 seem
US is defining new version

CBP and SAT work together on the data set

For its complexity, volume and time of response has been let it at the final phase
2020

Future of Data

The **global data** will measure a staggering **40 zettabytes** by 2020

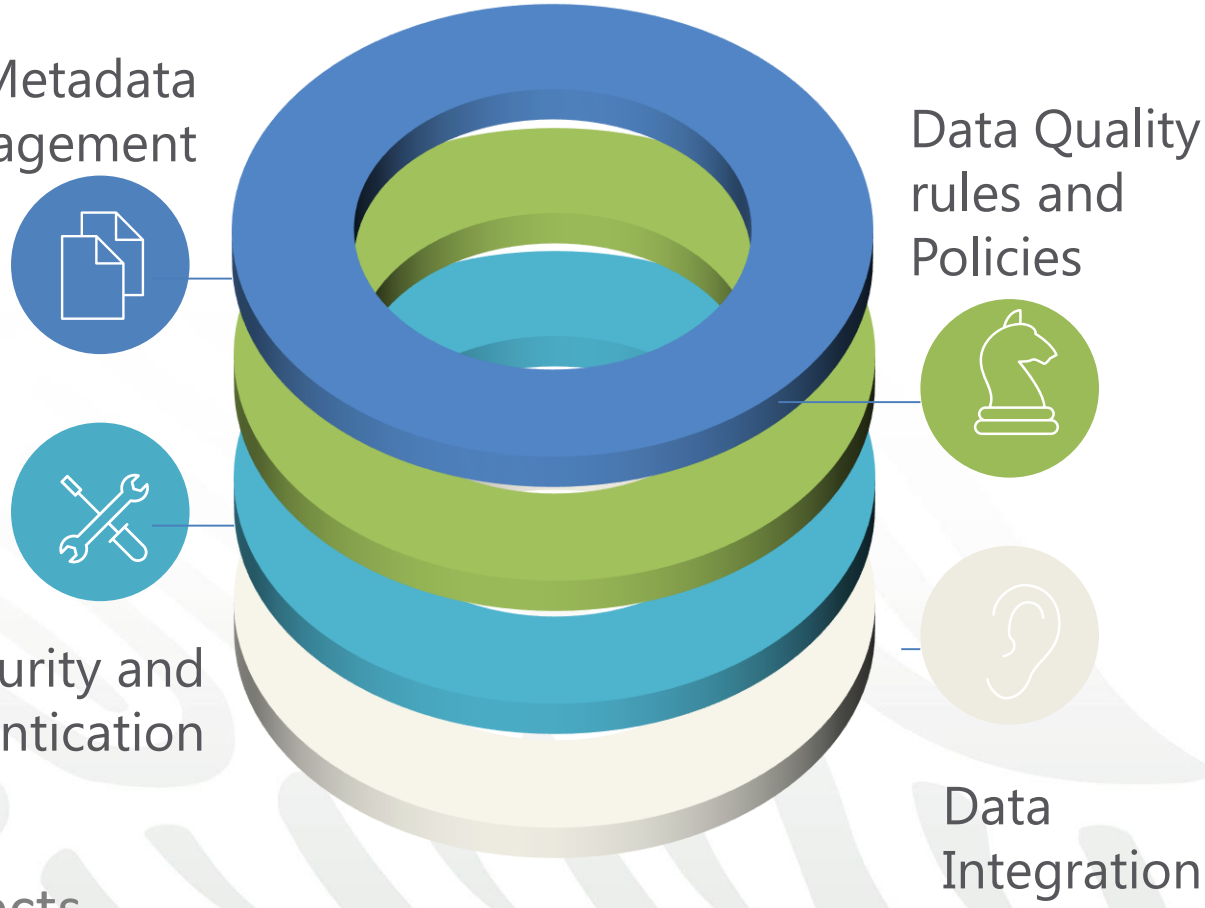
Structured data is growing at the rate of **40%** every year

Content, which includes all types of data including **unstructured is growing** at a steady rate of about **80% annually**

IoT Data generated will increase by **15 times by 2020**

CUSTOMS ISN´T AN EXCLUSION

The future has pointed out that the following aspects



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Other paperless implementations on México

RFID Customs Badges

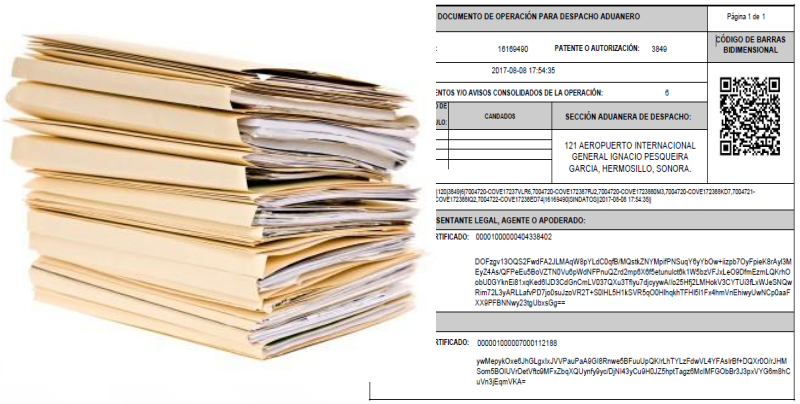
Simplifying the process to obtain a electronic badge, all the actor in customs are in a centralize DB

- Customs Borkers
- Drivers
- Customs officers

With 2 RFID chips the possibilities increase and have biomertics for security

¿What is DODA?

- ✓ Customs has created an api to generate the “Documento de Operación para Despacho Aduanero DODA” (Customs Clerance Operation Document), con el código de barras bidimensional Quick Response Code (QR).
- ✓ This can consolidate (documentary) up to 999 customs declaraation. Before the custom officer have to sscan lineal bar code and print a certification direct on the paper
- ✓ I´ts transparent becaue everyone can trace by scanning the QR code


DOCUMENTO DE OPERACIÓN PARA DESPACHO ADUANERO

Página 1 de 1

CÓDIGO DE BARRAS BIDIMENSIONAL

16166490 PATENTE O AUTORIZACIÓN: 3849

2017-08-08 17:54:35

ENTOS Y/O AVISOS CONSOLIDADOS DE LA OPERACIÓN: 6

CANDADOS

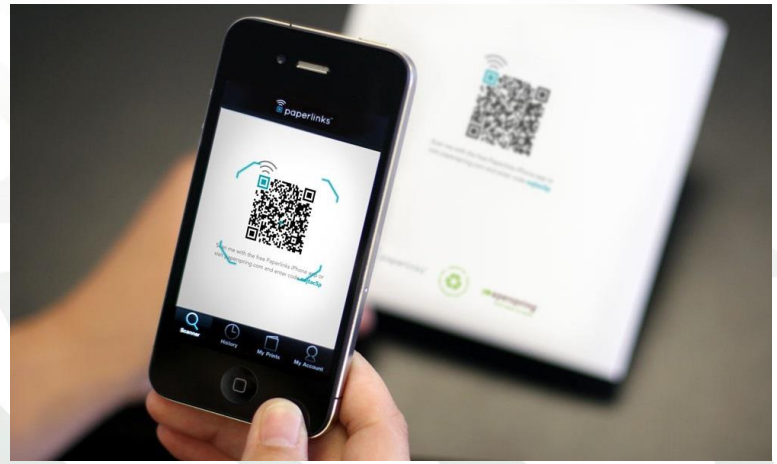
SECCIÓN ADUANERA DE DESPACHO:

121 AEROPUERTO INTERNACIONAL GENERAL IGNACIO PESQUEIRA GARCIA, HERMOSILLO, SONORA.

SENTANTE LEGAL, AGENTE O APODERADO:

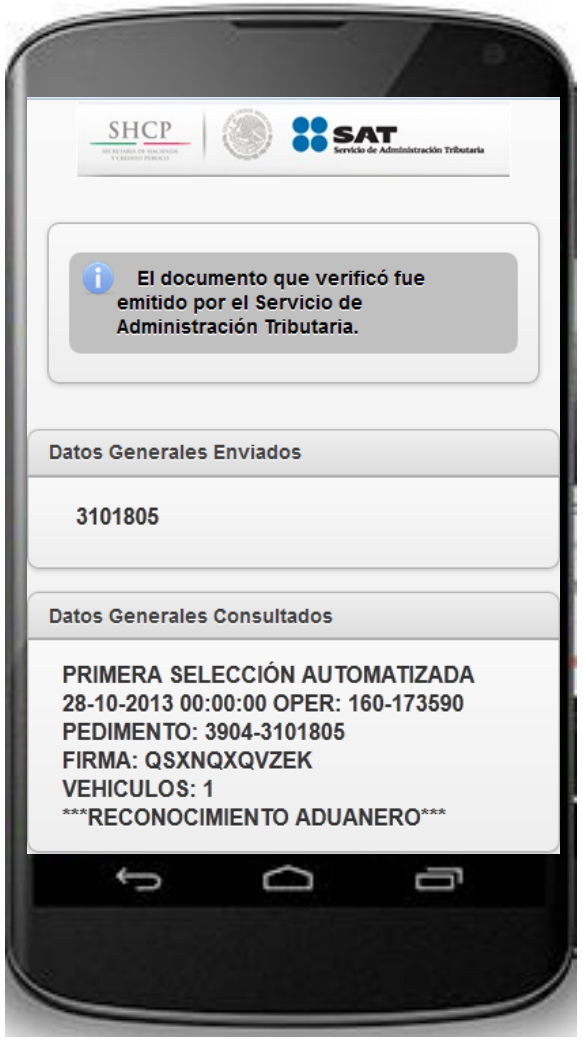
TIFICADO: 00001000000404338402

TIFICADO: 00001010000700012188



Consulta “SAT Móvil”

You can check and verify the status of the transaction and the time stamps of the status



DOCUMENTO DE OPERACIÓN PARA DESPACHO ADUANERO				Página 1 de 1
Nº DE INTEGRACIÓN:	16169490	PATENTE O AUTORIZACIÓN:	3849	CÓDIGO DE BARRAS BIDIMENSIONAL
FECHA DE EMISIÓN:	2017-08-08 17:54:35			
Nº TOTAL DE PEDIMENTOS Y/O AVISOS CONSOLIDADOS DE LA OPERACIÓN:	6			
CONTENEDORES/EQUIPO DE FERROCARRIL/Nº ECONÓMICO DEL VEHÍCULO:	CANDADOS	SECCIÓN ADUANERA DE DESPACHO:		
		121 AEROPUERTO INTERNACIONAL GENERAL IGNACIO PESQUEIRA GARCIA, HERMOSILLO, SONORA.		

CADENA ORIGINAL: ||120|3849|6|7004720-COVE17237VLR6,7004720-COVE172387RJ2,7004720-COVE1723880M3,7004720-COVE172388KD7,7004721-COVE172388IQ2,7004722-COVE17238ED74|16169490|SINDATOS||2017-08-08 17:54:35||

FIRMA DEL REPRESENTANTE LEGAL, AGENTE O APODERADO:

Nº DE SERIE DEL CERTIFICADO: 00001000000404338402

SELLO DIGITAL: DOFzgv13OQS2FwdFA2JLMAqW8pYLdC0qfB/MQstkZNYMpifPNSuqY6yYbOw+iizpb7OyFpieK8rAyl3M EyZ4As/QFPeEu5BoVZTN0Vu6pWdNFPnuQZrd2mp6X6f5etunulct8k1W5bzVFJxLeO9DfmEzmLQKrhO

SELLO DEL SAT:

Nº DE SERIE DEL CERTIFICADO:

SELLO DIGITAL:

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PITA

Proyecto de Integración Tecnologica Aduanera

Technological Integration Customs Project

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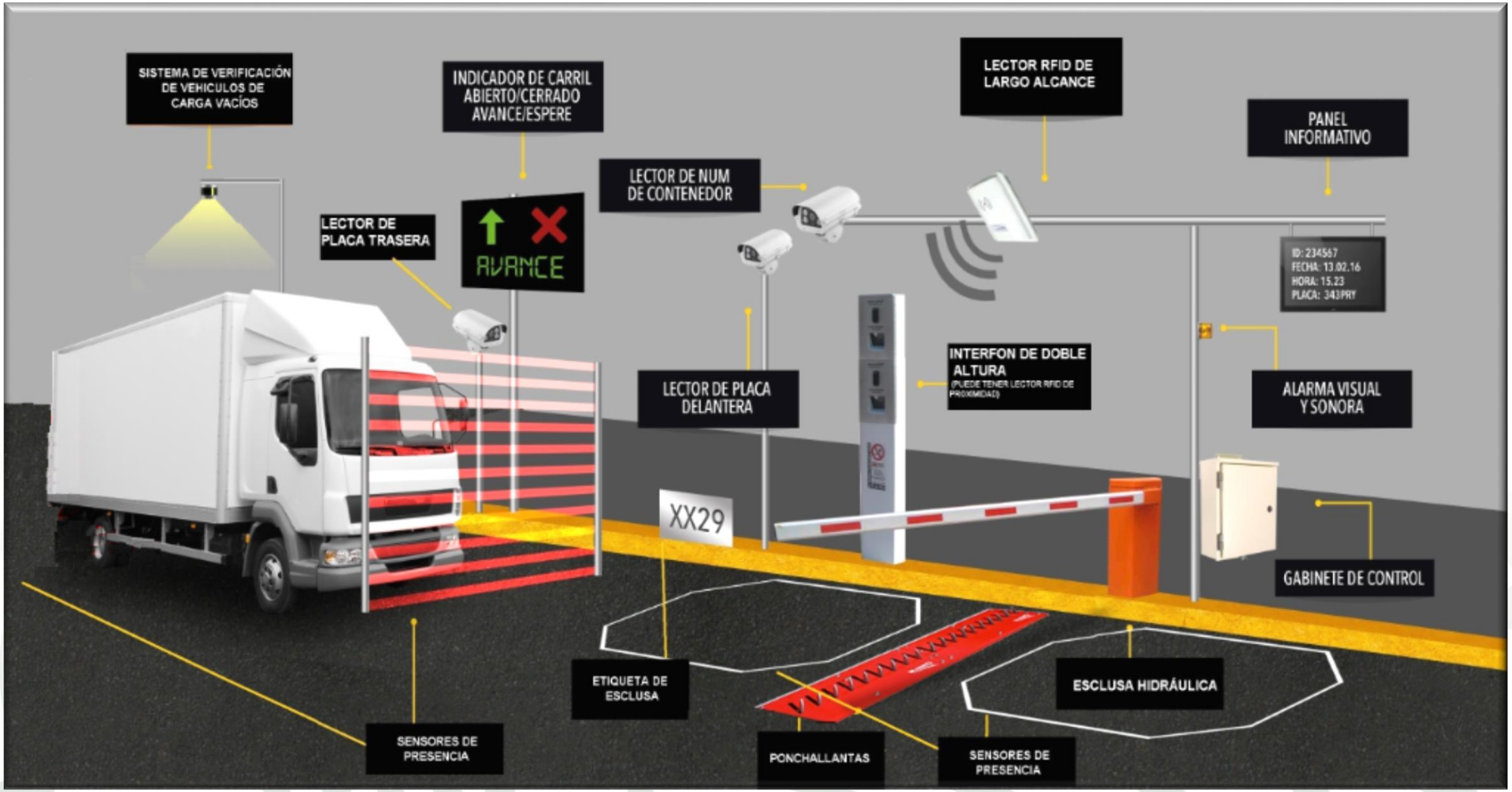
Technology used on
Cargo containers /truck



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PITA Process - CARGO

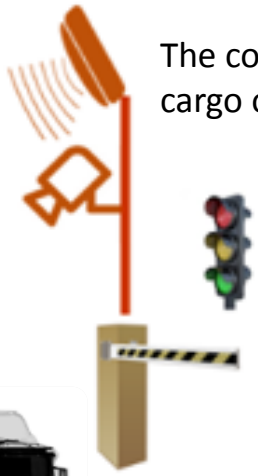
Gafete Único

Truck companies required the formality for the badge on the sW

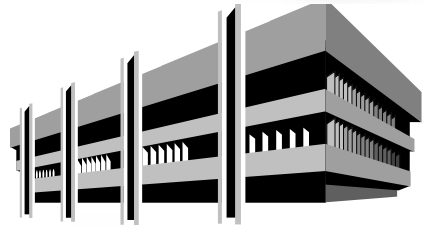
Customs Broker Also ask for the Badge

Customs make the customs declaration and then obtain DODA number.

Despacho con lectura de Gafete



The components of PITA cargo on the lines



Customs National Targeting Center

Good clearence

Destino final

Cargo inspection area are incorpórate, sensor of presence, RFI and a INFO TV will guide the users

Toughpad to scan short chio and run Risk model

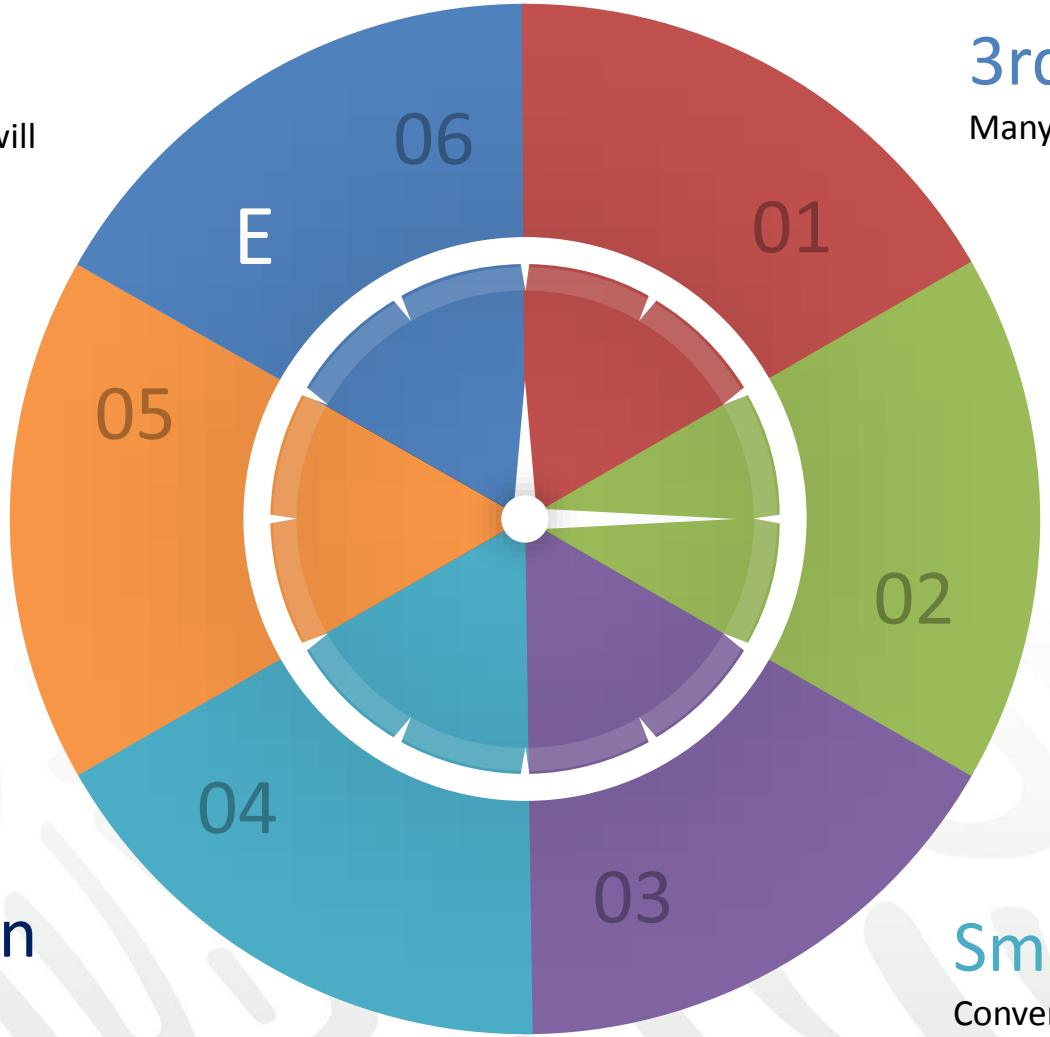
Espectation for PIDA

Facilitate Operation

Make it easy and more simple, the operation will increase and the revenue too

3rd Supplier Integrator

Many services, best price and **Cost Reduction**



Risk Management

Make Data Driven Decisions focus on Trade and actors perception

Improvement of the clearance process

Best SLA and reduce the time in the good release

Reduce Corruption

And Ilicit trade or behaviors

Smart Security

Convert the **Video survilliance** in to a Sponsor for trade

5 Elements of the renovation

Availability of all the users in one place, all regulations and customs process

Improve the plataform to give better performance

We transform the way the platform and PGAs bring our services

Eliminate complicated menues and innecesary clicks, becoming more intuitive

We keep changing and evolving upon demand and requirements with new formalities, procedures and tools

01 TRANSPARENCY

02 EFICIENCY

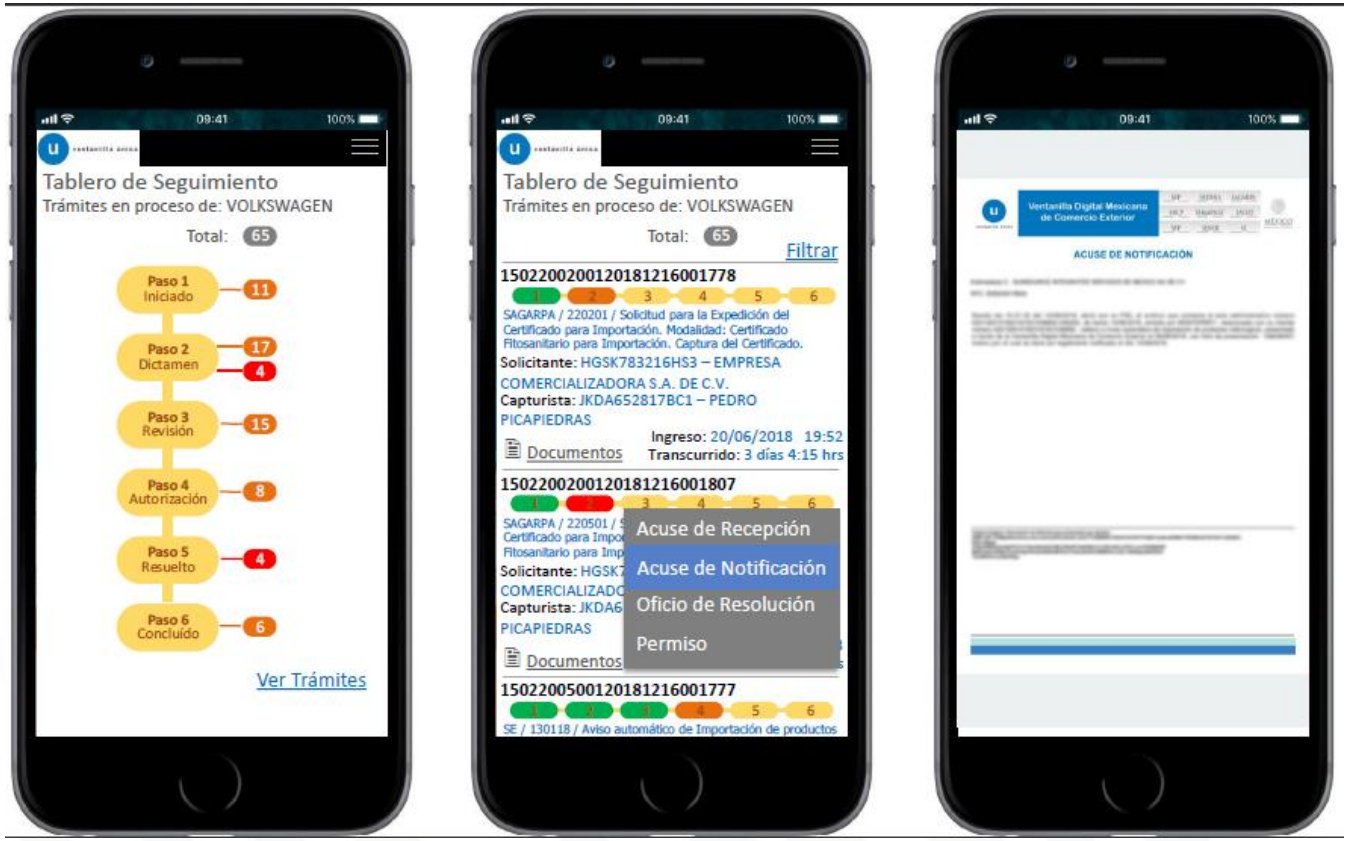
03 INNOVATION

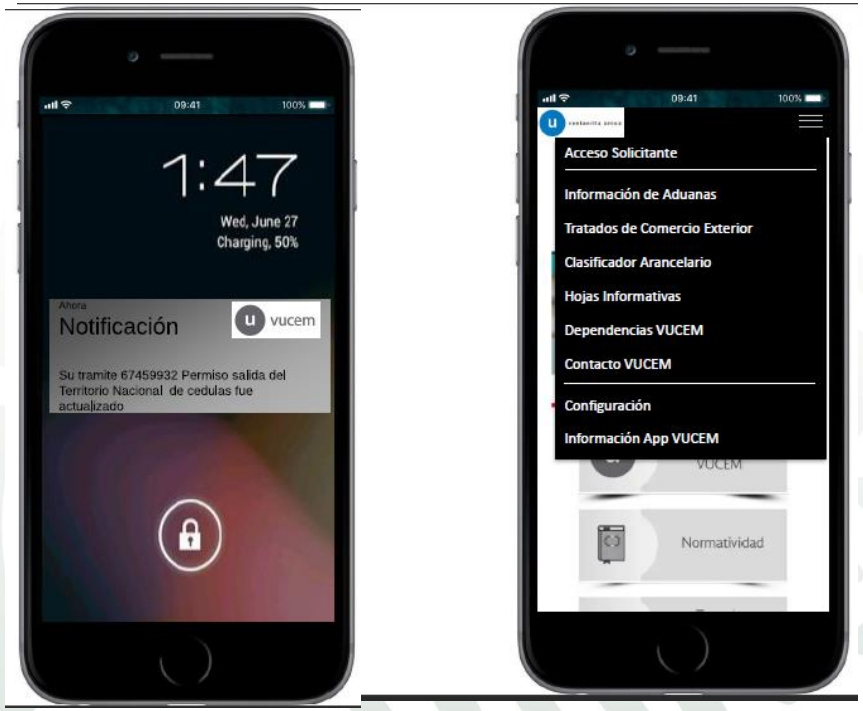
04 SIMPLICITY

05 CONSISTENCY

App VUCEM for iOs and Android

- Dashboards for tracking your formalities or requirements
- Real time notification (Dictamination, solution, requirement)
- Download bulletins and publication
- Search HS code and calculate duties & taxes





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20 on help desk
30 NOC and SOC

Work teams VUCEM

Our Team reach 250 people

ACMA

Project Mangement 6 pax

Provider

2 pax JD	3 pax	4 pax	25 pax	5 pax	2 pax	2 pax
Design new image and portal, social media and web page	New browsers Multiplataform experience	New functionalities, Calculator for trade, HS classifier and Meet the user	New formalities and procedures automation	E-manifest and Bounded warehouses operation	Moviles, app New gadgets	Data Analitycs Bussinness Intelligence COVE
20 pax	20 pax	24 pax	70 pax	21 pax	12 pax	3 pax

Consideraciones de la aduana para no extinguirse

New Technologies like Blockchain, BigData Data Mining

Go Digital

Interoperable

Predict future - behavior

Machine learning

Redesign Processes

Develop a more dynamic workforce

Optimize revenue streams

Conclusions

The journey to plan, set, build, operate and maintain a project to eliminate or smply reduce paper in the trade transactions is not, nor has it been easy.

The challenges for its implementation are bigger, but so are its benefits, especially for secure, competitive foreign trade and coordinated border management.

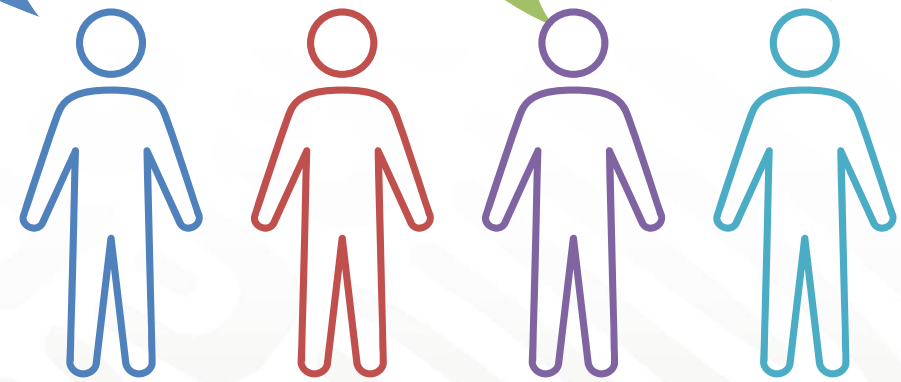
With the continue improvement and application of international standards I´m sure that the commitment of the actors will get to a total implementation.

México has encourage the paperless trade operation but we need to get involved with our trade partners country.

www.ventanillaunica.gob.mx

PAPERLESS TRADE!

"Questions?"



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